

Framed by

INFINIUM

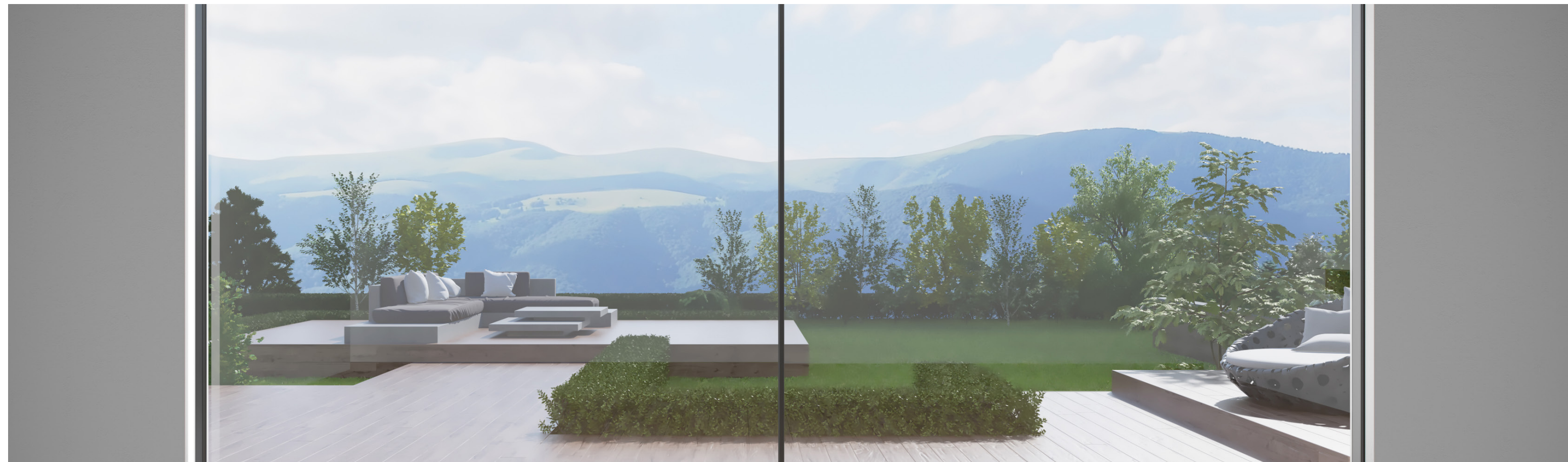


ALUk

A MODERN MASTERPIECE

Like the finest pieces of art great architecture inspires. It evokes discussion and stirs emotions. At times it demands attention. Other times reflection. And at its most powerful, it beautifully unifies indoor and outdoor worlds.

The Infinium aluminium sliding door embodies these principles with picture-perfect precision, turning every view into an ever-changing work of art.





BEAUTIFULLY CONSIDERED

Infinium brings together indoor and outdoor living spaces in exquisite harmony. Free-flowing spaces are created thanks to stunningly slim sightlines that bathe every surface with natural light. Uninterrupted panoramic landscapes provide complete escapism, without need of escape. While seamlessly integrated floor-to-ceiling glazing reflects the clarity of thought behind every inspired design decision.



EXCEPTIONAL DESIGN, WITHOUT EXCEPTION

Fully concealed aluminium outer frame. With optional fully concealed sash or flat sill.
Elegantly simple operation. Infinium's considered design impresses from every angle.
However, its most remarkable design feature barely catches the eye. The impossibly thin
21mm sightlines create the illusion of large endless spaces. The effect is charming, yet
practical.
Minimalist, yet undeniably magical.

PERFORMANCE



Flat sill option.

INFINIUM

HIDDEN BEAUTY

Great architecture isn't simply built on aesthetic appeal. It's judged equally on the way it makes you feel. The way it protects, calms and reacts to your mood. Infinium was designed with comfort firmly in mind. For example, double thermal breaks improve insulation and bring added warmth into the home. While also keeping unwanted noises out.



COMFORT

INFINIUM

INSPIRED DECISION- MAKING

Freedom. That most sought-after design feature.

It's what turns a property into a passion project.

Where every decision brings you ever closer to your dream home. Infinium offers choice in abundance.

Double and triple track options are available.

Up to six sashes are achievable. While a floating 90° corner post effortlessly ties every living space.

VERSATILE

FLAWLESS EXECUTION

Attention to detail. It's so often what separates good from great.

It's why bespoke aluminium rollers have been designed to ensure the heaviest Infinium door requires only the lightest touch to open.

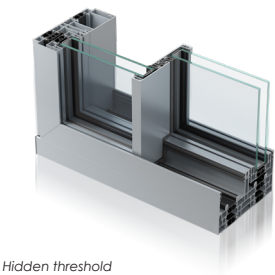
For added ease, and further distinction, an automated motorised system is available. Handles have a modern design with a concealed hardware and mechanism, and are available for interior and exterior operation. And while the outside world is welcomed into the home, uninvited guests are kept safely locked out.



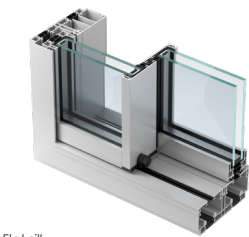
DETAIL

TECHNICAL SPECIFICATIONS

The new AluK sliding door system, Infinium allows for wide panoramic views with natural daylight and offers greater comfort. Its high levels of thermal and acoustic insulation combined with its wide range of configurations will satisfy any architectural requirements. Options include one or more opening panels with large width and height dimensions up to 3000mm (W) and height dimensions up to 3000mm (W) and 3500mm (H), flat sill or monorail configuration, and a floating corner post which allows for a larger opening space.



Hidden threshold



Flat sill

TECHNICAL SPECIFICATIONS

DESIGN FEATURES

- Inline sliding door
- Fully concealed outer-frame
- 21mm central interlock
- One or more opening panels with large width dimensions up to 3000mm (W) and height dimensions up to 3500mm
- Holds up to 400 kg panel weight
- Optional flat sill, monorail and floating corner post for larger opening space

OPTIONS

- Available in double or triple track
- Glazing options of 38mm – 52mm
- Single or dual colour options, also available in anodised or powder coating finishes
- Available in a range of configurations
- Double or triple glazing solutions available on the same outer-frame

HARDWARE

- A bespoke central lock fully integrated into the interlock
- Lateral locking handle with concealed mechanism
- Motorised lock and sliding mechanism

SPECIFICATIONS FOR HIDDEN THRESHOLD CONFIGURATION

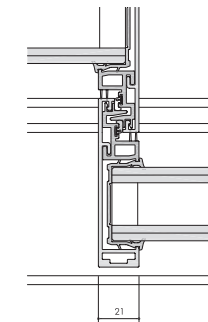
Performance and accreditation	
Uw-Value (Double Glazing)	1.3 W/m²K
Uw-Value (Triple Glazing)	< 1.0 W/m²K
Air Tightness	Class 4 (600 Pa)
Water Tightness	Class 8A (450 Pa)
Wind Load	Class C3 (1200 Pa, up to 160 km/h)
Acoustic (Double Glazing)	41 dB (-2;-5) 39 dB (-1;-4)
Size limits	
Max Sash Weight	400kg
Max Sash Dimension	3000mm (w) 3500mm (h)
System features	
Dual colour option	✓
Multi-point locking	✓
Glazing options	38mm 52mm

SPECIFICATIONS FOR FLAT SILL CONFIGURATION

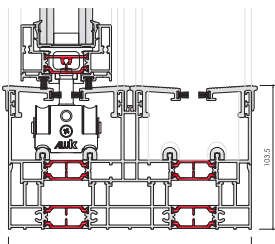
Performance and accreditation	
Uw-Value (Double Glazing)	1.35 W/m²K
Uw-Value (Triple Glazing)	< 1.0 W/m²K
Air Tightness	Class 3 (600 Pa)
Water Tightness	Class 7A (300 Pa)
Wind Load	Class C2 (800 Pa, up to 130 km/h)
Acoustic (Double Glazing)	/
Size limits	
Max Sash Weight	400kg
Max Sash Dimension	3000mm (w) 3500mm (h)
System features	
Dual colour option	✓
Multi-point locking	✓
Glazing options	38mm 52mm

CAD CROSS SECTIONS

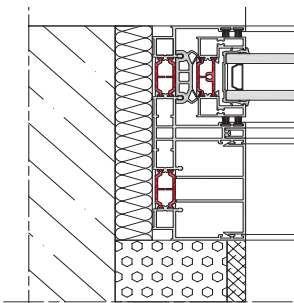
Interlock



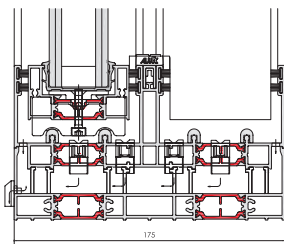
Bottom Section of Flat Sill configuration



Jamb Detail

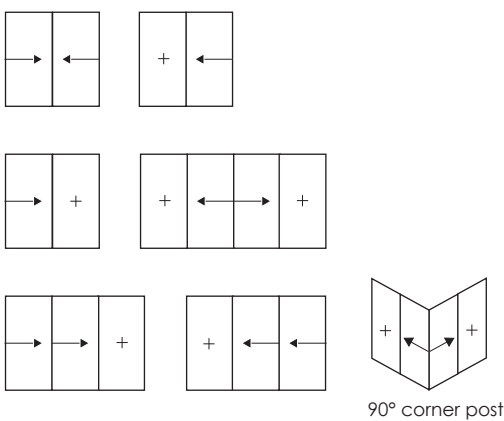


Sill Detail of Flush Threshold Configuration

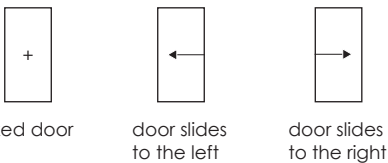


CONFIGURATIONS

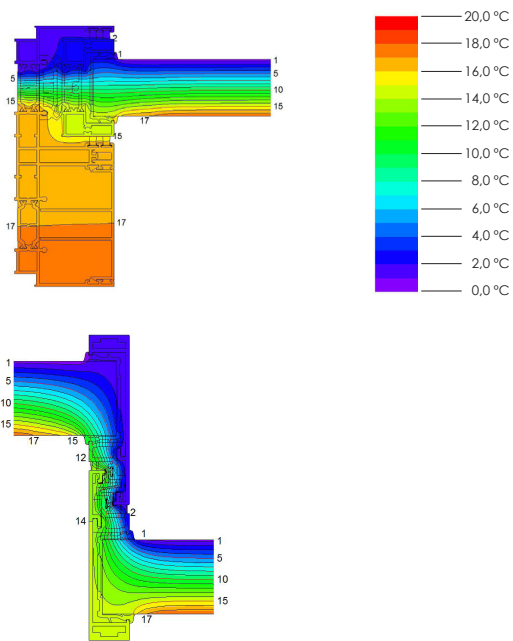
The diagrams showed here illustrate some of the configurations achievable with AluK's Infinium system.



KEY



THERMAL MAPPING



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